Product datasheet

Specifications



Wireless CO2 sensor with room temperature and humidity for SE8000 Series, zigbee communication protocol

SED-CO2-G-5045

Main

Product or component type	Sensor
Type of measurement	CO2 Temperature Humidity
Device application	HVAC
Battery size	AA
Battery life	10 year(s)
Battery type	Lithium
CO2 measurement accuracy	+/- 60 ppm + 3 % of reading +/- 3 %
CO2 measurement range	0...5000 ppm 0...50 °C temperature 0...100 % RH
Communication port protocol	Zigbee Pro
Depth	18.4 mm
Height	82.9 mm
Width	72.4 mm
IP degree of protection	IP20
Mounting support	Surface mount
Relative humidity	0…100 % without condensation
Ambient air temperature for operation	0…50 °C
Response time	2.5 min
Ambient air temperature for storage	-30…70 °C
[Us] rated supply voltage	36 V
Product name	SE8000 Series
Range	EcoStruxure Building Expert

Complementary

Function available	With humidity sensor With temperature sensor With CO2 sensor
Technology type	Infrared
Electromagnetic compatibility	Emission tests class A conforming to EN 55022 Immunity tests-radiated disturbances conforming to EN 55024 Immunity to conducted disturbances conforming to EN 55024 Immunity to electrical transients conforming to EN 55024 Resistance to electrostatic discharge conforming to EN 55024

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Range compatibility	EcoStruxure Building Expert SE8000 Series room sensor
Operating distance	100 m open environment 20...30 m indoor

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	12.6 cm
Package 1 Width	9.2 cm
Package 1 Length	4.4 cm
Package 1 Weight	140 g
Unit Type of Package 2	S03
Number of Units in Package 2	54
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	8.2 kg
Unit Type of Package 3	P06
Number of Units in Package 3	648
Package 3 Height	105.0 cm
Package 3 Width	60.0 cm
Package 3 Length	80.0 cm
Package 3 Weight	106.9 kg

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Use Better

Materials and Substances

Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Compliant By Exemption

Use Again

Repack and remanufacture

Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins